(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 6 January 2005 (06.01.2005)

PCT

(10) International Publication Number WO 2005/000055 A1

(51) International Patent Classification7:

A41D 27/24

(21) International Application Number:

PCT/EP2004/006857

- (22) International Filing Date: 24 June 2004 (24.06.2004)
- (25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 03014706.0

27 June 2003 (27.06.2003)

- (71) Applicant (for all designated States except US): W.L.GORE & ASSOCIATES GmbH [DE/DE]; Hermann-Oberth-Strasse 22, 85640 Putzbrunn (DE).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): HOTTNER, Martin [DE/DE]; Sperberstrasse 31, 83052 Bruckmühl (DE).
- Agent: WEBER, Doris; W.L. Gore & Associates GmbH, Hermann-Oberth-Strasse 22, 85640 Putzbrunn (DE).

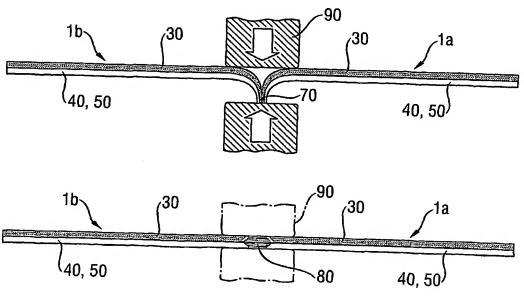
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

of inventorship (Rule 4.17(iv)) for US only

[Continued on next page]

(54) Title: WELDED MICROSEAM



(57) Abstract: The invention discloses a welded seam (80) between the two edges of two laminates (1a, 1b), each laminate comprising a waterproof functional layer (50) and a textile layer (30). The textile layer (30) comprising a first component and a second component, the first component being stable to a first temperature and the second component melting at a second temperature. The seam (80) is formed by the melted second component and the non-melted first component of the textile layers of each laminate and the edges are in a substantially edge-to-edge buttes orientation to each other. In this case a waterproof, durable seam with very small

WO 2005/000055 A1



Published:

-- with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.